

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Rao et al.

Group Art Unit: 2856

Serial No: 10/785,421

Examiner: T. Bellamy

Filed: February 24, 2004

Our Client ID: 22827

Confirmation No: 8574

Our Account No: 04-1403

Title: Carbon Nanotube Based Resonant-Circuit Sensor

Commissioner for Patents  
U.S. Patent and Trademark Office  
Post Office Box 1450  
Alexandria, VA 22313-1450

**RESPONSE**

This is a response/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is to be treated as the signature to the attachment in absence of a signature thereto.

Fee requirements (if any) have been calculated as shown below:

|                        | Claims<br>remaining<br>after<br>amendment | Highest<br>number<br>previously<br>paid for | Present<br>Extra |          | Additional<br>Fee |
|------------------------|---|---|------------------|----------|-------------------|
| Total Effective Claims | 30  | 43  | = 0              | X \$50 = | \$ 0.00           |

|                    |   |   |     |           |         |
|--------------------|---|---|-----|-----------|---------|
| Independent Claims | 4 | 5 | = 0 | x \$200 = | \$ 0.00 |
|--------------------|---|---|-----|-----------|---------|

If amendment enters proper multiple dependent claim(s) into this application for first time, add \$290.00 (per application)

\$ 0.00

Since Official Action set an original due date of July 5, 2005,

**PETITION** is hereby made for an extension to cover the date this response is filed for which the requisite fee is enclosed (1 month \$120; 2 months \$450; 3 months \$1020; 4 months \$1590, 5 months \$2,160)

\$ 0.00

If Terminal Disclaimer enclosed, add Rule 20(d) Official Fee (\$110.00)

\$ 0.00

**SUBTOTAL:** \$ 0.00

If "small entity" verified statement filed ☐ previously,  
☐ herewith, enter one-half (1/2) of subtotal and subtract

\$ 0.00

**TOTAL:** \$ 0.00

Other: \$ 0.00

**TOTAL FEE ENCLOSED:** \$ 0.00

The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any fees in addition to the fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (deficiency only) now or hereafter relative to this application and the resulting official document under Rule 20, or credit any overpayment, to our Account No. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This statement does not authorize charge of the issue fee in this case.

ADDRESS:  
Post Office Box 1449  
Greenville, SC 29602 USA  
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**DORITY & MANNING**  
**ATTORNEYS AT LAW, P.A.**

By: Christina L. Mangelsen, Patent Agent Reg. No: 50,244  
Date: July 1, 2005  
Signature: *Christina L. Mangelsen*

I hereby certify that this correspondence and any referenced attachment and fee are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, Post Office Box 1450, Alexandria, VA 22313-1450, on July 1, 2005.

Sandra S. Perkins

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)



**PATENT**

**ATTORNEY DOCKET NO: CXU-404**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                                  |   |                   |            |
|----------------------------------|---|-------------------|------------|
| In re Application of: Rao et al. | ) | Examiner:         | T. Bellamy |
|                                  | ) |                   |            |
| Serial No: 10/785,421            | ) | Art Unit:         | 2856       |
|                                  | ) |                   |            |
| Filed: February 24, 2004         | ) | Confirmation No:  | 8574       |
|                                  | ) |                   |            |
| Title: Carbon Nanotube Based     | ) | Deposit Acct. No: | 04-1403    |
| Resonant-Circuit Sensor          | ) |                   |            |
|                                  | ) | Customer No:      | 22827      |

**RESPONSE**

Mail Stop Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated April 5, 2005, with regard to the above-captioned application, please find attached:

**Amendments to the Claims** reflected in the complete listing of the Claims beginning on page 2, and

**Remarks** beginning on page 5.